

DID YOU KNOW...

a 7.0 earthquake will strike the
Wasatch Front on April 16, 2015?

The Great
Utah
**Shake
Out**TM



It's not too late to prepare

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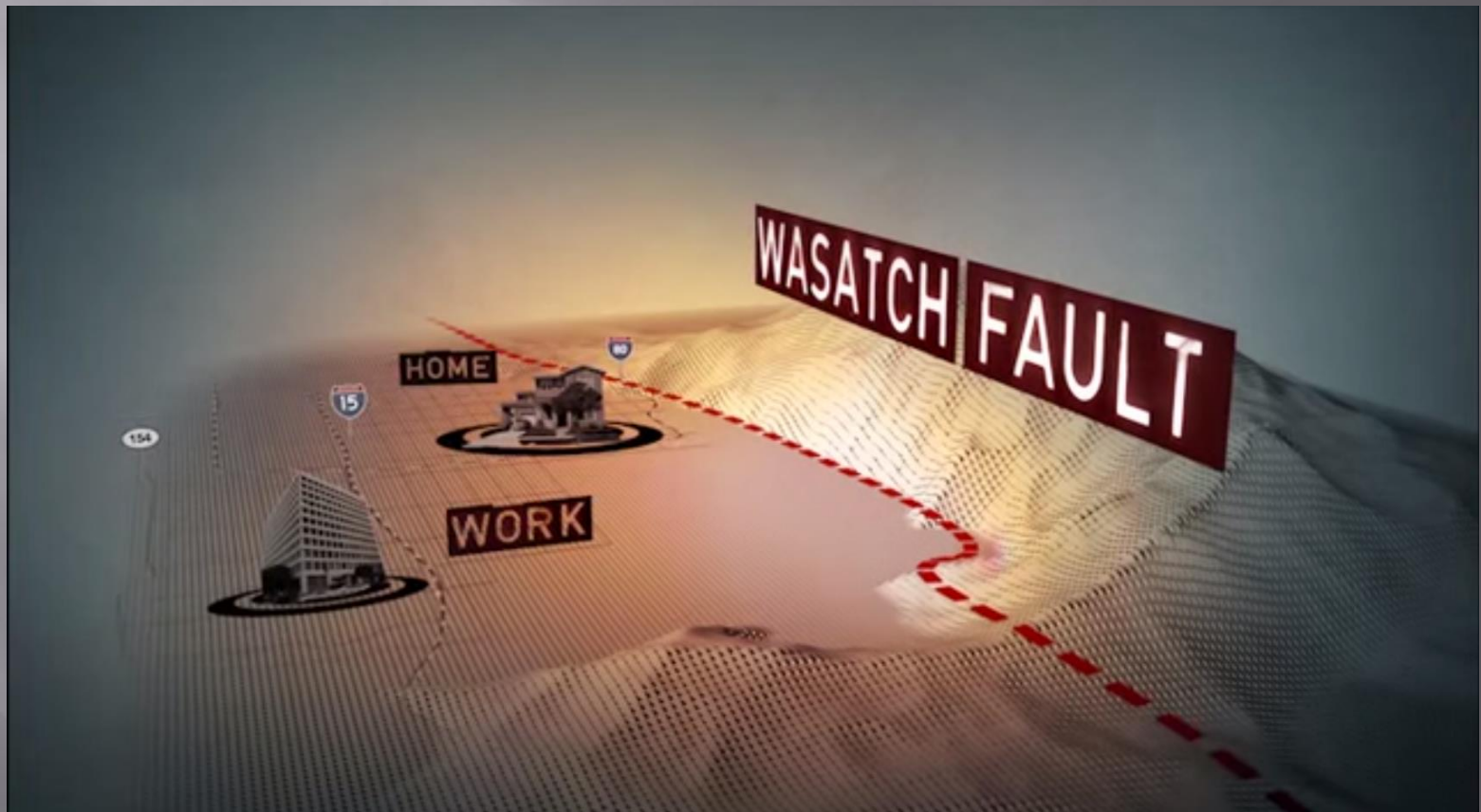
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YouTube

Utah: Preparedness Now



The Great Utah ShakeOut

Utah's largest
earthquake drill

Earthquake threats

85 percent of
residents live near
the Wasatch Fault



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Be
Ready
Utah



The Scenario

- ▣ 7.0 magnitude earthquake:
 - Deaths: 2,300
 - Injuries: 30,000
 - Damages: 64,000 collapsed buildings -- \$35 billion

- ▣ Earthquake frequency: 350 to 400 years on the entire Wasatch Fault.
 - The last one: 350 years ago.

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The Scenario

- ▣ Essential facilities:
 - 39 hospitals with 4,605 beds
 - 853 schools
 - 212 fire stations
 - 89 police stations

- ▣ Transportation: highways, railways, light rail, bus, ports and airports. More than 2,200 miles of highways and 1,902 bridges.

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The Scenario

- ▣ There are 541,000 buildings in our 12 county region with a replacement value of \$115 billion.
- ▣ About 94 percent of the buildings are associated with residential housing.

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The Great Utah ShakeOut

ShakeOuts in other states:

- California
- Central U.S.
- Oregon

Practice our plans

Families, businesses,
government and schools

Goal:
900,000

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What we're doing

- ▣ Website: BeReadyUtah.gov
- ▣ Capitol Campus
- ▣ Private sector
- ▣ Social media
 - Facebook
 - Twitter: @UtahShakeOut

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What we need from supporters/sponsors

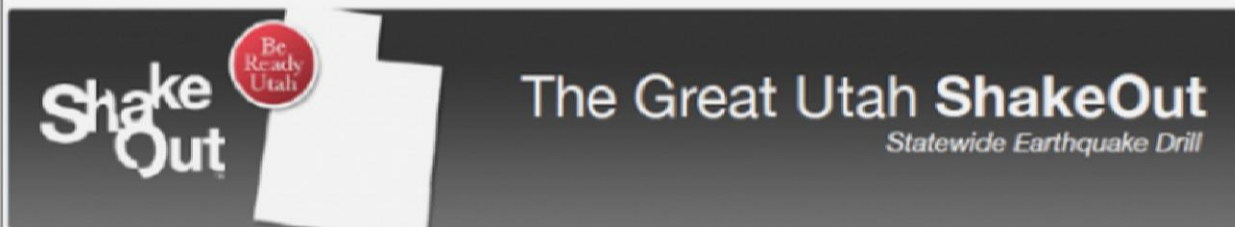
1. Registration at ShakeOut.org/utah

Receive updates

Tips on preparedness

Be counted





Dear Joe,

The Great Utah ShakeOut is **only 1 month away** - are you ready? [Log in](#) now to make sure you have registered! Please also update your plans and ensure your contact information is correct. Your participation and encouragement of others to participate will inspire others to be become more prepared which could one day minimize injuries and save lives.



More than **530,000** Utahns are registered as of right now. Can we beat last year's total of 830,000 participants?

Why Participate?



What we need from supporters/sponsors

2. Check out the resources section of the ShakeOut website
3. Provide a letter of support to ShakeOut@utah.gov
4. Encourage employees to register and participate with their families



What we need from supporters/sponsors

5. Share the ShakeOut

6. Social media/web banner / media campaign

7. Design/host ShakeOut preparedness event



Utah Earthquake Video

Christchurch Earthquake

MUTUAL AID INTERLOCAL AGREEMENT FOR UTAH PUBLIC WORKS EMERGENCY MANAGEMENT



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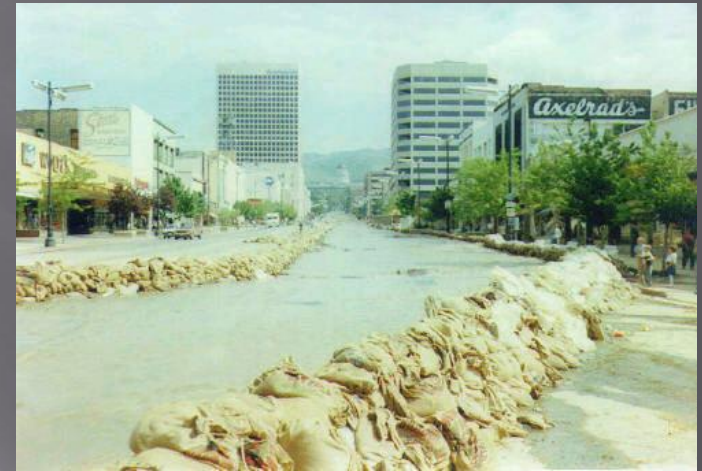
The Need for Working Together

- ▣ Disasters can be Overwhelming.
- ▣ Immediate Response needed.
- ▣ Need for Specialized Equipment and Expertise.
- ▣ Emergency Preparedness Training.
- ▣ Long Term Recovery.
- ▣ FEMA Reimbursement.



Local Examples

- ▣ Floods
- ▣ Santa Clara Floods
- ▣ Draper & Saratoga Springs
Debris Flows



Local Examples

- ▣ Snow Storm Event
- ▣ Windstorms – Millcreek Area, Davis, Weber, Utah Counties



Local Examples

- ▣ Herriman Fires and other Wildfires
- ▣ Logan - Collapsed Canal
- ▣ Salt Lake Tornado



UTWARN

UTWARN (Utah Water/Wastewater Agency Response Network) Agreement was used as a **template** for our **Public Works Mutual Aid Interlocal Agreement**. It's been accepted by over **85 agencies** across the state.



Mutual Aid Interlocal Agreement for Utah Public Works Emergency Management Alliance

Article I – Purpose

- ▣ Provide **Mutual Assistance** in Times of Emergency.
- ▣ Method for **Reimbursement of Costs**.
- ▣ Used in Conjunction with the **State of Utah Mutual Aid Agreement (UAC R704-2)**.



Mutual Aid Interlocal Agreement for Utah Public Works Emergency Management Alliance

Article IV - Administration

- ▣ Administered through the Emergency Management Committee of the Utah Chapter of APWA.
- ▣ Agreement is between Agencies, not with APWA.
- ▣ Training - Participating Agencies are responsible to perform at least one annual emergency exercise.



Mutual Aid Interlocal Agreement for Utah Public Works Emergency Management Alliance

Article V - Procedure

- ▣ The **Requesting Agency** shall **contact** another participating member of the **Alliance**.
- ▣ **Assisting Agency** lets **Requesting Agency** know if they can **respond**.
- ▣ Execution of Agreement shall **not create Duty to Respond**.



National Examples

- ▣ Washington mudslide
- ▣ Many Hurricanes – Andrew, Katrina, Sandy, etc.
- ▣ Joplin Tornado and many others
- ▣ Teton Dam



National Examples

- ▣ Loma Prieta Earthquake and other California Earthquakes
- ▣ Mount St. Helens Volcano
- ▣ 9/11 Terrorist Attack



Mutual Aid Interlocal Agreement for Utah Public Works Emergency Management Alliance

Article VI - Reimbursable Expenses

- ▣ FEMA equipment rates or Participating Agency's rates are used.
- ▣ Materials and Supplies are compensated.

Article VII - Insurance

- ▣ Each participating Agency provides their own insurance coverage.
- ▣ Any sovereign immunity provided by the Government Immunity Act of Utah still applies.

Mutual Aid Interlocal Agreement for Utah Public Works Emergency Management Alliance

Article XII - Termination

- ▣ Any Participating Agency may terminate with or without cause.

Article XIII – Whole Agreement, Amendments

- ▣ Agreement is not to be altered by any Participating Agency except as set forth under this Article.
- ▣ Amendments can be made.

International Examples

- ▣ Hurricanes & Typhoons
- ▣ Earthquakes
- ▣ Tsunamis
- ▣ Floods
- ▣ Tornadoes
- ▣ Severe Storms
- ▣ Landslides
- ▣ Airline Crashes
- ▣ Terrorist Attacks



Mutual Aid Interlocal Agreement for
Utah Public Works
Emergency Management Alliance

GOAL

100% of all City,
County and Town
Public Works in Utah

Mutual Aid Interlocal Agreement For Utah Public Works Emergency Management Alliance



For more information, please Contact us!
UTAH APWA EMERGENCY MANAGEMENT COMMITTEE

WEBSITE
<http://utah.apwa.net/>

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Question?

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